

Atty. Docket No.: P65141US0

Serial No.: 09/508,095

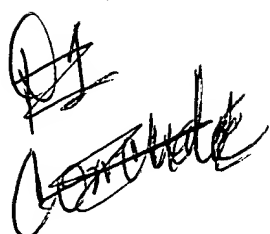
(SEQ ID NO: 19),

R<sub>1</sub>-GRRRRSVQWCAVSQPEATKQFQWQRNMRKVRGPPVSCIKRDSPIQCIQA-R,  


(SEQ ID NO: 20),

R<sub>1</sub>-VYQHQQAMPKFWIQPKTKVIPVRYL-R<sub>2</sub> (SEQ ID NO: 21), R<sub>1</sub>-ARRARVVWAAVG-R<sub>2</sub>

(SEQ ID NO: 22),

R<sub>1</sub>-CAVGGGCIAL-R<sub>2</sub> (SEQ ID NO: 23),  
R<sub>1</sub>-RHTRKYWCRQGARGGCITL-R<sub>2</sub> (SEQ ID NO: 24),

wherein

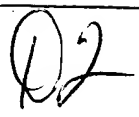
R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> are optionally present,R<sub>1</sub>, R<sub>3</sub> independently represents an amino acid or a peptide containing up to 100 amino acids, and  
R<sub>2</sub>, R<sub>4</sub> independently represents CONH<sub>2</sub> an amino acid, or a peptide containing up to 100 amino acids;

and the amided acetylated, sulfated, phosphorylated, glycosylated, oxidized derivatives or fragments thereof having bifidogenic properties.

IN THE CLAIMS

Cancel claims 6-12, without prejudice or disclaimer, and add the following claims.

13. Peptides obtainable by:

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- adding proteases to cow's milk or human milk, followed by incubation for two hours;
  - centrifugation to remove milk fat;
  - acidification to a pH of 2.0 with strong acids;
  - removing the precipitated proteins;
  - application of at least one reverse phase HPLC step;
  - application of a cation-exchange HPLC step;